Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	28	("4817043" "4974170" "5237157" "5649186" "5764226" "5765142" "5826267" "5983227" "6014137" "6029182" "6424979" "6460040" "6587668" "6766362").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:20
L2	0	1 and (seed near2 data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:20
L3	0	1 and seed and data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:20
L4	0	1 and seed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:21
L5	15	1 and database	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:21
L6	0	5 and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:21
L7	4	5 and appearance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:29
L8	2	7 and web	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:22
L9	2	8 and (creat\$3 or generat\$3 or build\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 09:28



(12) United States Patent

Burns

(10) Patent No.:

US 6,460,040 B1

(45) Date of Patent:

*Oct. 1, 2002

(54) AUTHORING SYSTEM FOR COMPUTED-BASED INFORMATION DELIVERY SYSTEM

(75) Inventor: Kevin S. Burns, Bellevue, WA (US)

(73) Assignee: Datamize LLC, Florence, MT (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This nations is subject to a sample

This patent is subject to a terminal disclaimer.

(21) Appl. No.: 09/478,577

(22) Filed: Jan. 6, 2000

Related U.S. Application Data

(63) Continuation of application No. 08/810,949, filed on Feb. 27, 1997, now Pat. No. 6,014,137.

(60) Provisional application No. 60/012,341, filed on Feb. 27, 1996.

(51)	Int. Cl. ⁷	G06F 17/30	
(52)	U.S. Cl.		

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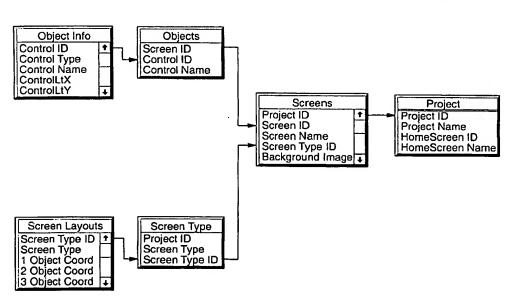
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Primary Examiner—John Breene
Assistant Examiner—Mohammad Ali
(74) Attorney, Agent, or Firm—Elliot B. Aronson

(57) ABSTRACT

A multimedia kiosk authoring system for use in developing and maintaining user interface screens for multimedia kiosk systems. The authoring system enables the user interface for each individual kiosk to be customized quickly and easily within wide limits of variation, yet subject to constraints adhering the resulting interface to good standards of aesthetics and user friendliness. The system may be used to provide custom interfaces expeditiously even for hundreds of kiosks presenting information from numerous independent information sources. The authoring system uses the methods of object oriented programming to define specialized object classes for instantiation on individual kiosk interface screens subject to pre-defined limitations on variability. Links are provided to an appropriate database for multimedia presentations on an interface screen of content bearing information from the information providers.

38 Claims, 6 Drawing Sheets



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US005983227A

United States Patent [19]

Nazem et al.

[11] Patent Number:

5,983,227

[45] Date of Patent:

Nov. 9, 1999

[54] DYNAMIC PAGE GENERATOR

[75]	Inventors:	Fa	rzad	Nazem,	Rec	lwc	0	d (City;	

Ashvinkumar P Patel, Milpitas, both

of Calif.

[73] Assignee: Yahoo, Inc., Santa Clara, Calif.

[21] Appl. No.: 08/873,975

[22] Filed: Jun. 12, 1997

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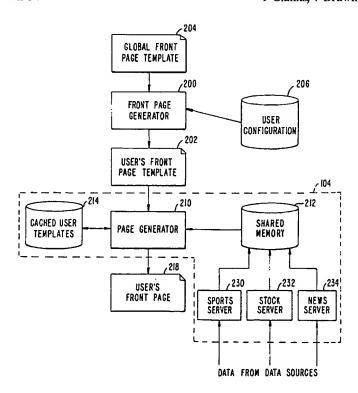
Primary Examiner—Paul R. Lintz

Attorney, Agent, or Firm-Philip H. Albert; Townsend and Townsend and Crew LLP

[57] ABSTRACT

An custom page server is provided with user preferences organized into templates stored in compact data structures and the live data used to fill the templates stored local to the page server which is handing user requests for custom pages. One process is executed on the page server for every request. The process is provided a user template for the user making the request, where the user template is either generated from user preferences or retrieved from a cache of recently used user templates. Each user process is provided access to a large region of shared memory which contains all of the live data needed to fill any user template. Typically, the pages served are news pages, giving the user a custom selection of stock quotes, news headlines, sports scores, weather, and the like. With the live data stored in a local, shared memory, any custom page can be built within the page server, eliminating the need to make requests from other servers for portions of the live data. While the shared memory might include RAM (random access memory) and disk storage, in many computer systems, it is faster to store all the live data in RAM.

9 Claims, 7 Drawing Sheets



DERWENT-ACC-NO: 2000-126098

DERWENT-WEEK:

200514

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TITLE:

Window display selection procedure for

multimedia

electronic kiosk authoring system in airports,

public

transportation stations, museums and exhibition

INVENTOR: BURNS, K S

PATENT-ASSIGNEE: MULTIMEDIA ADVENTURES [MULTN]

PRIORITY-DATA: 1996US-012341P (February 27, 1996) , 1997US-0810949

(February 27, 1997)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE

PAGES MAIN-IPC

US 6014137 A January 11, 2000 N/A

018 G06F 015/21

APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO

APPL-DATE

US 6014137A Provisional 1996US-012341P

February 27, 1996

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February 27, 1997

INT-CL (IPC): G06F015/21

RELATED-ACC-NO: 2003-127787, 2003-557318 , 2003-644727 , 2003-658581

, 2004-155870 , 2005-131426

ABSTRACTED-PUB-NO: US 6014137A

BASIC-ABSTRACT:

NOVELTY - The elements to be included in a custom interface screen

construction having one button type, are selected from the predefined elements.

Values are assigned to attributes of selected elements consistent

with

predefined constraints. The aggregate layout of the selected elements is

aesthetically pleasing and functionally operable for effective delivery of

information to a kiosk user.

DETAILED DESCRIPTION - The information providers includes master database

storing information to be displayed on any one of kiosks. The predefined

interface screen element are input which define form of element available for

presentation on the custom interface screen. The element permits limited

variation in its on-screen characteristics in conformity with desired uniform

and aesthetically pleasing appearance for interface screens on all kiosks. The

predefined element include one predefined window type, predefined button type

and predefined multimedia type. One master <u>database</u> is selected to define

kiosk information for individual kiosk. The information is associated with

selected elements for interface screen under construction. The selected button

type element is associated to an action facilitating the viewing of at least

portions of kiosk information content by a kiosk user.

USE - For multimedia kiosk authoring system used for displaying initial

stylistic presentation of ski shop, graphic image of skier executing exciting

ski maneuver, for presenting video clip, audio clip, for displaying graphic

image in restaurant, image of stylish menu, for displaying information about

tennis, golf, and other outdoor activities in summer. Also used in museums and

exhibitions, airports, public transportation stations, banks and in retail

establishments.

ADVANTAGE - Avoids need to keep track of different versions in the field. The

system can be used by persons with little or no experience in the intricate

details of computer programming, thereby making it easier for large

number of

persons to set up kiosk interface screen. Individual can devise a kiosk

interface screen, using authorizing software and it is the only choice for

stylist and functional elements appearing in the screen displays. Thus, button

styles and sizes, window borders, color combination, and type of fonts and

hierarchical methods of retrieving information may be built into the system.

When <u>database</u> tables are modified, the modified content is downloaded to each

kiosk in the system. Uncontrolled propagation of multiple version throughout

the kiosks in the field is prevented. The need for keeping track of which

version each kiosk has, is avoided and it is easier to keep comply with

contractual obligation to keep each subscriber updated with the latest version.

The kiosk can be moved from one subscriber to another without change of

software or reconfiguration and avoids loading and unloading of information

files. Broadcasts messages to any concern, easily. The local layout for a

particular kiosk subscriber can be configured either at the subscriber's

location or remotely.

DESCRIPTION OF DRAWING(S) - The figure shows kiosk screen display layout.

CHOSEN-DRAWING: Dwg.2A/5

TITLE-TERMS: WINDOW DISPLAY SELECT PROCEDURE ELECTRONIC KIOSK SYSTEM AIRPORT

PUBLIC TRANSPORT STATION MUSEUM EXHIBIT

DERWENT-CLASS: T01 T05

EPI-CODES: T01-J05B4F; T01-J12B; T01-J30; T05-H08C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-095050